

## Catalog #: 5216

### Aliases

PSMA4; Proteasome 20S Subunit Alpha 4; HC9; HsT17706; Proteasome (Prosome, Macropain) Subunit, Alpha Type, 4; Multicatalytic Endopeptidase Complex Subunit C9; Proteasome Subunit Alpha Type-4; Proteasome Subunit Alpha 4; Proteasome Subunit Alpha-3; Proteasome Component C9; Macropain Subunit C9; Proteasome Subunit L; Alpha-3; PSC9; Proteasome Subunit Alpha3; Proteasome Subunit HC9; Proteasome Subunit A3; EC 3.4.25.1

### Background

Gene Name: PSMA4

NCBI Gene Entry: [5685](#)

UniProt Entry: [P25789](#)

### Application Information

Molecular Weight: Predicted, 29 kDa; observed, 29 kDa

Clonality: Rabbit monoclonal antibody

Clone ID: 25GB205

Species Reactivity: Human, mouse, rat

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

### Immunogen

A synthesized peptide derived from human PSMA4

### Isotype

Rabbit IgG

### Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

### Storage

Store at -20 °C for one year.

### Recommended Dilutions

Western Blotting (WB): 1:1,000-1:5,000

Flow Cytometry (FCM): 1:1,000

Immunocytochemistry (IC): 1:100-1:1,000

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#### SUPPORT

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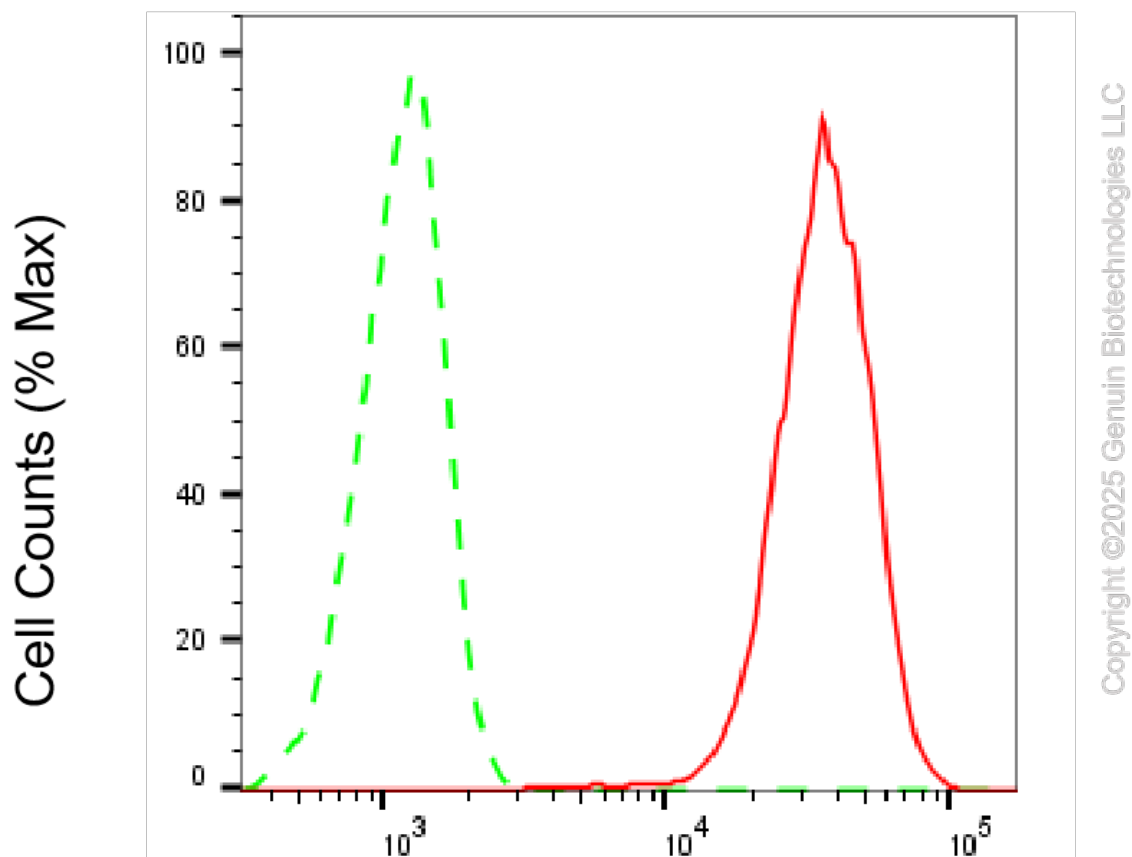
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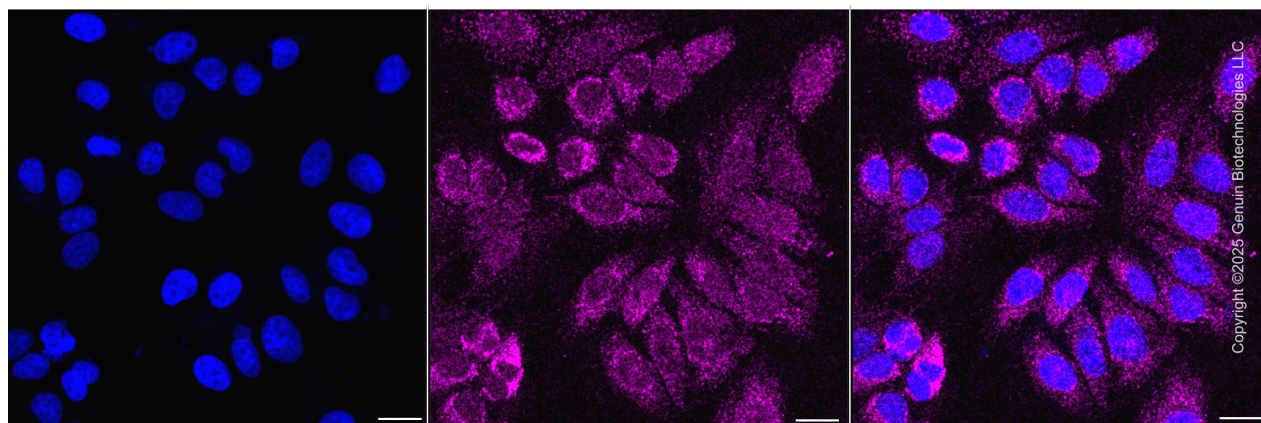
**Note:** This product is for research use only.

## Validation Data



### PSMA4-Alexa Fluor® 647

Flow cytometric analysis of PSMA4 expression in HepG2 cells using anti-PSMA4 antibody (Cat#5216, 1:2,000). Green, isotype control; red, PSMA4.



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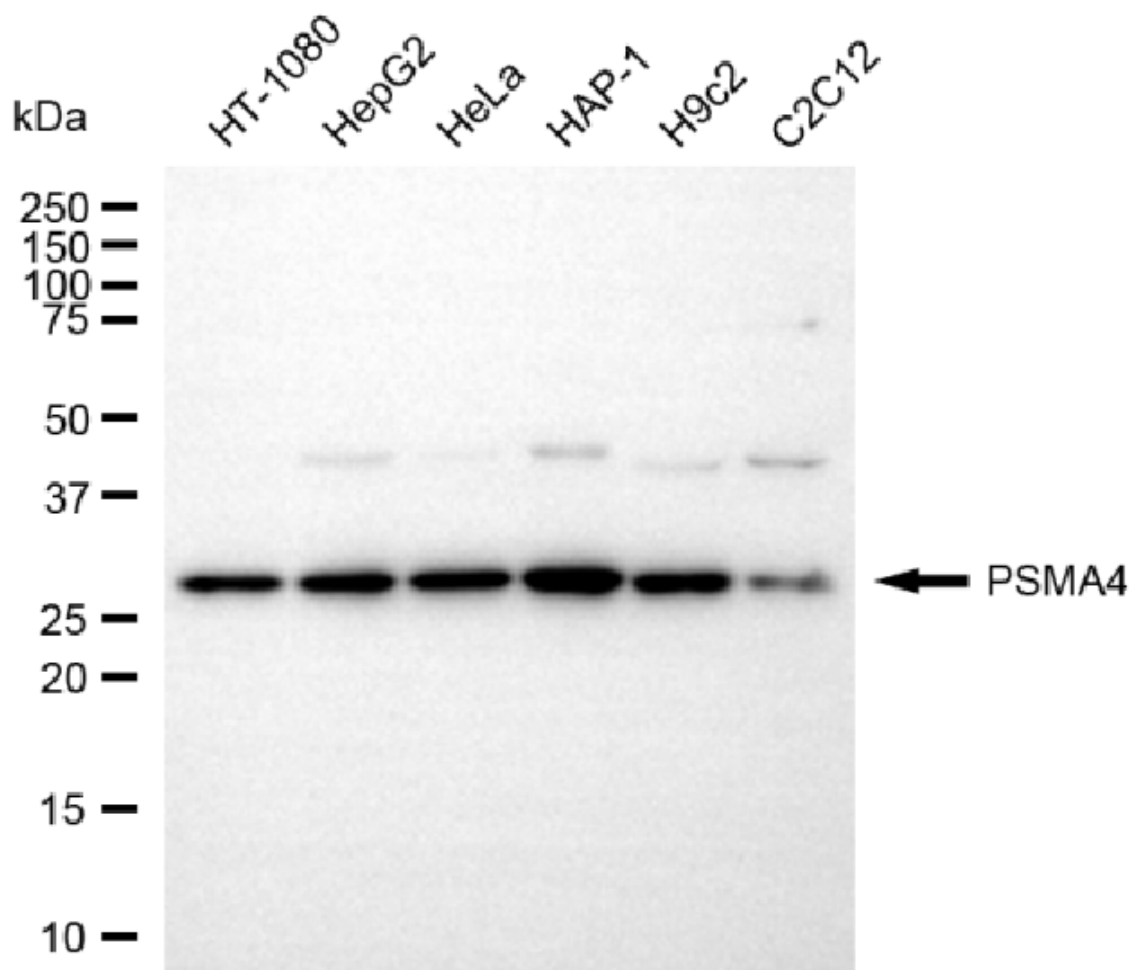
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Immunocytochemical staining of HepG2 cells with anti-PSMA4 antibody (Cat#5216, 1:1,000) . Nuclei were stained blue with DAPI; PSMA4 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar, 20  $\mu$ m.



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Western blotting analysis using anti-PSMA4 antibody (Cat#5216). Total cell lysates (30  $\mu$ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-PSMA4 antibody (Cat#5216, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using NaQ™ ECL Substrate Kit (Cat#716).